

Form PTO-1449 (modified)		Atty. Docket No. UTSC584	Serial No. 09/122,427
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Yiyu Zou et al	
		Filing Date: 07/24/98	Group:
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 1	Other Art See Page 1	

10518 U.S. PTO
09/122427
07/24/98

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
W	A1	4,855,090	8/8/89	Wallach	264	4.1	
	A2	4,911,928	3/27/90	Wallach	424	450	

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
W	B1	WO86/00238	1/16/86	WIPO	B01D	13/00	
	B2	0 220 797 A2	5/6/87	Europe	A61K	9/50	Yes
	B3	0 140 085 A2	5/8/85	Europe	A61K	9/50	Yes
	B4	0 193 414 A2	9/3/86	Europe	A61K	9/50	Yes
	B5	WO92/11842	7/23/92	PCT	A61K	9/127	Yes
	B6	JP6293615	8/25/92	Japan	—	—	
	B7	JP6227966	1/29/93	Japan	—	—	
	B8	JP6183953	6/24/91	Japan	—	—	
	B9	WO89/11850		PCT	—	—	
	B10	6-227966		Japan	—	—	Yes
	B11	6-183953		Japan	—	—	Yes
	B12	60-155109		Japan	—	—	Abstract

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
W	C1	Japanese Abstract, JP 62-93615 A (Nippon Oils & Fats Co. Ltd.), Oct. 21, 1994

EXAMINER:

Kishu

DATE CONSIDERED:

2/97

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (Modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	Atty Docket No. <u>UTSC584</u>	Serial No.
	Applicant <u>Yiyu Zou et al</u>	
	Filing Date <u>07/24/98</u>	Group

Reference Designation			U. S. Patent Documents				
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
law	AA 5,178,875	1/12/93	Lenk et al	424	450	1/14/91	
	AB 5,132,290	7/21/92	Priebe et al	514	34	5/30/89	
	AC 5,032,404	7/16/91	Lopez-Berestein	424	450	2/23/89	
	AD 4,999,199	3/12/91	Anaissie et al	424	450	11/10/88	
	AE 4,950,432	8/21/90	Mehta et al	264	4.6	10/16/87	
	AF 4,863,739	9/5/89	Perez-Soler et al	424	450	5/19/87	
	AG 4,812,312	3/14/89	Lopez-Berestein	424	417	3/3/87	
	AH 4,537,882	8/27/85	Horton et al	514	34	5/10/84	
	AI 4,311,712	1/19/82	Evans et al	424	365	8/20/79	
	AJ 4,201,773	5/6/80	Horton et al	424	180	7/26/78	
	AK 4,522,803	6/11/85	Lenk et al	424	1.1	3/24/83	

FOREIGN PATENT DOCUMENTS							Translation Yes/No
Examiner Initial	Document Number	Date	Country	Class	Subclass		
law	AL 0,282,405	9/14/88	European	—	—		
	AM 6,183,953	7/5/94	Japan	—	—	Abstract	
	AN 6,227,966	8/16/94	Japan	—	—	Abstract	
	AO 0,613,685	9/7/94	Europe	—	—	Abstract	
	AP 2,700,954	8/5/94	France	—	—	Abstract	

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law	Perez-Soler et al, "Anthracycline Antibiotics with High Liposome Entrapment: Structural Features and Biological Activity," Cancer Research 50: 4260-4266 (July 15, 1990).						
	Zou et al, "Antitumor Activity of Free and Liposome-entrapped Annamycin, A Lipophilic Anthracycline Antibiotic with Non-Cross-Resistance Properties," Cancer Research 54:1479-1484 (March 15, 1994).						
	McCutcheon's "Emulsifiers & Detergents," Vol. 1, p. 201, North American Edition (1993).						
	Kronberg et al, "Preparation and Evaluation of Sterically Stabilized Liposomes: Colloidal Stability, Serum Stability, Macrophage Uptake, and Toxicity," J. Pharm. Sci., 79(8):667-671 (1990).						
	Examiner <u>Kuh</u> Date Considered <u>3/99</u>						

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Reference Designation			U. S. Patent Documents				Filing Date
Examiner Initial	Document Number	Date	Name	Class	Subclass	If Appropriate	
AA	4,558,579	12/17/85	Fountain et al	72	56	11/16/83	
AB	4,975,282	12/4/90	Cullis et al	424	450	11/17/87	
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FOREIGN PATENT DOCUMENTS

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AL	WO 87/00238	1/16/86	PCT			
AM	87/00043	1/15/87	PCT			
AN	60-155109		Japanese			
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AR	Singer et al, "Time- and Dose-dependent Changes in Ejection Fraction Determined by Radionuclide Angiography After Anthracycline Therapy," Cancer Treatm. Rep., 62(6):945-948 (1978).					
AS	Herman et al, "Prevention of Chronic Doxorubicin Cardiotoxicity in Beagles by Liposomal Encapsulation," Cancer Res. 43:5427-5432 (1983).					
AT	Rahman et al, "A Phase I Clinical Trial and Pharmacokinetic Evaluation of Liposome-Encapsulated Doxorubicin," J. Clin. Oncol. 8:1093-1100 (1990).					
AU	Gabizon et al, "Prolonged Circulation Time and Enhanced Accumulation in Malignant Exudates of Doxorubicin Encapsulated in Polyethylene-glycol Coated Liposomes," Cancer Research 54:987-992 (1994).					

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
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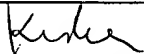
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	AR	Thierry et al, "Effect of Liposomes on P-glycoprotein Function in Multi-drug Resistant Cells," Biochem. Biophys. Res. Comm. 187:1098-1105 (1992).
	AS	Rahman et al, "Liposome-mediated Modulation of Multidrug Resistance in Human HL-60 Leukemia Cells," J. Natl. Cancer Inst. 84:1909-1914 (1992).
	AT	Mayer et al, "Influence of Vesicle Size, Lipid Composition, and Drug-to-Lipid Ratio on the Biological Activity of Liposomal Doxorubicin in Mice," Cancer Research 49:4922-5930 (1989).
	AU	Acton et al, "Intensely Potent Morpholinyl Anthracyclines," J. Med. Chem. 27:638-645 (1984).

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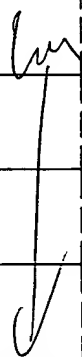
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	AR	Priebe et al, "Removal of the Basic Center From Doxorubicin Partially Overcomes Multidrug Resistance and Decreases Cardiotoxicity," Anticancer Drugs 4:37-48 (1993).
		Barbieri et al, "Chemical and Biological Characterization of 4'-iodo-4'-deoxydoxorubicin," Cancer Research 47:4001-4006 (1987).
	AS	Perez-Soler et al, "Cellular Pharmacology of the Partially Non-Cross-Resistant Anthracycline Annamycin Entrapped in Liposomes in KB and KB-VI
	AT	Cells," Cancer Research 34:109-118 (1994).
	AU	Perez-Soler et al, "Phase I Clinical and Pharmacology Study of Liposome-Entrapped Cis-bis-neodecanoato-trans-R,R-1,2-diaminocyclohexane-platinum (II)," Cancer Research 50:4254-4259 (1990).

Examiner  Date Considered 3/99

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<div style="font-size: 2em; vertical-align: middle;"> <div style="display: inline-block; vertical-align: middle;">h</div> <div style="display: inline-block; vertical-align: middle;">J</div> </div>	AR	Murray et al, "Phase I Trial of Liposomal Muramyl Tripeptide Phosphatidylethanolamine in Cancer Patients," J. Clin. Oncol. 7:1915-1925 (1989).
	AS	Zou et al, "Organ Distribution and Tumor Uptake of Annamycin, A New Anthracycline Derivative with High Affinity for Lipid Membranes, Entrapped in Multilamellar Vesicles," Cancer Chemother. Pharmacol. 32: 190-196 (1993).
	AT	Zou et al, "Quantitative Analysis of the Lipophilic Doxorubicin Analogue Annamycin in Plasma and Tissue Samples by Reverse-Phase Chromatography," J. Pharmaceutical Sci., 82(11):1151-1154 (1993).
	AU	Gu et al, "Study on the Polyphase Liposomes - A New Dosage Form for Anti-tumor Drugs. I Antitumor Activity Screening of Polyphase Liposome 139 and Others," Chinese Herb Medicine, 13(4):13-19 (1982).

Examiner <u>Kuh</u>	Date Considered <u>3/9</u>
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AR	Zou et al, "Stability and Some Other Important Physical Properties of Polysaccharides Polyphase Liposome (PPL)," Acta Pharmaceutica Sinica, 24(1):58-62 (1989).
	Young et al, "The Anthracycline Antineoplastic Drugs," N. Engl. J. Med., 305(3):139-153 (1981).
AS	
AT	Pazdur et al, "Phase I Trial of Taxotere: Five-Day Schedule," J. Natl. Cancer Inst. 84:1781-1788 (1992).
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